

Title (en)

BONE MARROW ASPIRATION DEVICES AND RELATED METHODS

Title (de)

KNOCHENMARK-ABSAUGVORRICHTUNGEN UND DAMIT ZUSAMMENHÄNGENDE VERFAHREN

Title (fr)

DISPOSITIFS D'ASPIRATION DE MOELLE OSSEUSE ET PROCÉDÉS ASSOCIÉS

Publication

**EP 2066389 A4 20110413 (EN)**

Application

**EP 07842288 A 20070911**

Priority

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Abstract (en)

[origin: WO2008033874A2] Various devices and methods may be provided to aspirate bone marrow from an associated bone using a powered drive and an aspiration needle or aspiration needle set. Such aspiration devices and methods may also be used in association with stem cell transplant procedures. The aspiration devices may include a coupler assembly, a containment bag or sterile sleeve, an ejector and/or an ejector funnel. An aspiration needle set may include a cannula and trocar with respective tips having optimum configurations, dimensions and/or orientations relative to each other to optimize penetration of a bone and/or bone marrow with minimum trauma to a patient. Exterior portions of some cannulas may include markings to indicate depth of penetration into associated bone marrow. Some cannulas may include one or more side ports for use during aspiration of bone marrow.

IPC 8 full level

**A61M 31/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

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- [Y] US 5556399 A 19960917 - HUEBNER RANDALL J [US]
- [A] US 2003225411 A1 20031204 - MILLER LARRY J [US]
- See also references of WO 2008033874A2

Designated contracting state (EPC)

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**WO 2008033874 A2 20080320; WO 2008033874 A3 20080626**; CN 102626344 A 20120808; CN 102626344 B 20150311; CN 104814768 A 20150805; CN 104814768 B 20180413; EP 2066389 A2 20090610; EP 2066389 A4 20110413; EP 2066389 B1 20161207; EP 2066389 B8 20170125; EP 3153116 A1 20170412; EP 3153116 B1 20200610; EP 3167813 A1 20170517; EP 3167813 B1 20191113; EP 3189787 A1 20170712; EP 3189787 B1 20190109; EP 3659520 A2 20200603; EP 3659520 A3 20200729; EP 3659520 B1 20231108; ES 2612955 T3 20170519; ES 2805203 T3 20210211; ES 2966743 T3 20240424; US 2011082387 A1 20110407; US 2014188001 A1 20140703; US 9510910 B2 20161206; US 9717564 B2 20170801

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